

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,158,946 B2  
APPLICATION NO. : 09/781162  
DATED : January 2, 2007  
INVENTOR(S) : Sato et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

PAGE TWO OF COVER SHEET:

(56) Foreign Patent Documents,

“JP 11-103291 10/2006” should read  
-- JP 11-103291 4/1999 --.

SHEET 27:

FIG. 27, “COLLECTE” should read -- COLLECT --.

SHEET 30:

FIG. 30, “ST\$TEM” should read -- SYSTEM--.

COLUMN 1:

Line 15, “such” should read -- such as --; and  
Line 67, “grasped” should read -- grasped. --.

COLUMN 5:

Line 56, “embodiment;” should read -- embodiment. --.

COLUMN 7:

Line 16, “need” should read -- needs to --.

COLUMN 8:

Line 65, “re-freed” should read -- re-feed --.

COLUMN 9:

Line 1, “re-freed” should read -- re-feed --.

COLUMN 13:

Line 28, “tan” should read -- than --;  
Line 40, “need only” should read -- needs only the --;  
Line 57, “Detailed” should read -- Details --; and  
Line 62, “shows” should read -- show --.

COLUMN 14:

Line 33, “paper” should read -- paper sheets --.

COLUMN 16:

Line 18, “from” should read -- from a --.

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COLUMN 18:

Line 55, "particulars" should read -- particular --.

COLUMN 21:

Line 60, "malefaction" should read -- malfunction --.

COLUMN 23:

Line 27, "different" should read -- different in --.

COLUMN 25:

Line 34, "like" should read -- like is --; and

Line 61, "tan" should read -- than --.

COLUMN 29:

Line 15, "shows" should read -- show examples of display information. --;

Line 22, "as" should read -- in --;

Line 34, "ID" should read -- IDs--;

Line 48, "device" should read -- devices --; and

Line 49, Delete "the" third occurrence.

COLUMN 30:

Line 2, " " " spot" should read -- " "spot --; and

Line 56, "Fig. 33" should read -- FIG. 33 --.

COLUMN 31:

Line 1, "amount" should read -- amounts --.

COLUMN 33:

Line 27, "ID." should read -- IDs. --.

COLUMN 35:

Line 38, "of(i)" should read -- of (i) --.

COLUMN 36:

Line 50, "through" should read -- through an --.

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COLUMN 37:

Line 25, "as" should read -- a --; and

Line 26, "of(i)" should read -- of (i) --.

Signed and Sealed this

Fifth Day of August, 2008

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the 'J' and a cursive 'D'.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*